CLAIMS

What is claimed is:

1. A system comprising:
a digital camera that comprises a lens, an image sensor, a display, a video output port, and processing circuitry;
a television color bar is stored in the digital camera;
5   a television coupled to the digital camera; and
autocalibration firmware that runs on the processing circuitry that displays the color bar on the television, images the color bar displayed on the television, detects the imaged color bar, and automatically calibrates the video signal sent from the digital camera to the television to display the best possible image on the television.
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2. The system recited in Claim 1 wherein the autocalibration firmware displays a sample image on the television.

3. The system recited in Claim 1 wherein the television color bar comprises a stored image.

4. The system recited in Claim 1 wherein the digital camera comprises a nonvolatile storage device and the television color bar comprises an image stored in the nonvolatile storage device.

5. The system recited in Claim 1 wherein the autocalibration firmware prompts the user to point the digital camera at the television.

6. A method comprising the steps of;

    providing a digital camera that comprises a lens, an image sensor, a display, a video output port, processing circuitry, a television color bar and autocalibration firmware stored in the digital camera that runs on the processing circuitry;

5   providing a television;

    coupling the digital camera to the television;

    initiating the autocalibration firmware;

    displaying the color bar on the television;

    imaging the color bar displayed on the television onto the image sensor;

10   detecting the imaged color bar; and

    automatically calibrating the video signal sent from the digital camera to the television to display the best possible image on the television.

7. The method recited in Claim 6 further comprising the step of prompting a user to point the digital camera at the television.

8. The method recited in Claim 5 further comprising the step of displaying a sample image on the television.

9. A digital camera for use with a television, comprising:

    a lens;

    an image sensor;

    a display;

5   a video output port for coupling the digital camera to the television;

    processing circuitry;

    a stored television color bar; and

    autocalibration firmware that runs on the processing circuitry that is operative to display the color bar on the television, image the color bar that is displayed on the

10   television, detect the imaged color bar, and automatically calibrate the video signal sent from the digital camera to the television to display the best possible image on the television.

10. The system recited in Claim 9 wherein the autocalibration firmware displays a sample image on the television.

11. The system recited in Claim 9 wherein the television color bar comprises a stored image.

12. The system recited in Claim 9 wherein the digital camera comprises a nonvolatile storage device and the television color bar comprises an image stored in the nonvolatile storage device.

13. The system recited in Claim 9 wherein the autocalibration firmware prompts the user to point the digital camera at the television.

14. A method for use with a television, and = digital camera that comprises a lens, an image sensor, a display, a video output port, processing circuitry, a television color bar and autocalibration firmware that runs on the processing circuitry, the method comprising the steps of;

5   coupling the digital camera to the television;
            initiating the autocalibration firmware to display the color bar on the television, image the color bar displayed on the television onto the image sensor, and detect the imaged color bar; and
            automatically calibrating the video signal sent from the digital camera to the
10   television to display the best possible image on the television.

15. The method recited in Claim 14 further comprising the step of prompting a user to point the digital camera at the television.

16. The method recited in Claim 14 further comprising the step of displaying a sample image on the television.